

ABSTRACT

The invention provides a novel protocol suite for supporting micro-mobility within a radio access network (RAN). The protocol suite and comprises three separate protocols, namely a Mobile Registration Protocol, a Handoff Affected Router Discovery Protocol (HARDP) and a Mobile Location Update Protocol. The Mobile Registration Protocol is used to register mobile terminals within a RAN while the Mobile Location Update Protocol is used to update mobile terminal reachability during a handoff. The HARDP protocol is used at network boot-up time to identify a subset of routers that needs to be updated when a mobile terminal handoff occurs between two neighboring radio access nodes.

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